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REQUEST

For receiving Office use only		
International Application No.	Ļ	
International Filing Date		
Name of receiving Office and "PCT International Application"		
A U		

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty. Applicant's or agent's file reference (if desired) (12 characters maximum) 30794108WO01 TITLE OF INVENTION Box No. I HIGHLY EFFICIENT GALLIUM NITRIDE BASED LIGHT EMITTING DIODES VIA SURFACE ROUGHENING Box No. II **APPLICANT** This person is also inventor Name and address: (Family name followed by given name; for a legal entity, full official designation. Telephone No. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) Facsimile No. THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 1111 Franklin Street, 12th Floor Teleprinter No. Oakland, California 94607 **United States of America** Applicant's registration No. with the Office State (that is, country) of residence: State (that is, country) of nationality: US US all designated States except the States indicated in the United States This person is applicant all designated the Supplemental Box of America only the United States of America States for the purposes of: FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) Box No. III Name and address: (Family name followed by given name; for a legal entity, full official designation. This person is: The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) applicant only FUJII, Tetsuo applicant and inventor 7240 Davenport Road, #104 inventor only (If this check-box Goleta, California 93117 is marked, do not fill in below.) **United States of America** Applicant's registration No. with the Office State (that is, country) of residence: State (that is, country) of nationality: US JP the States indicated in the United States all designated States except This person is applicant all designated the Supplemental Box of America only the United States of America States for the purposes of: X Further applicants and/or (further) inventors are indicated on a continuation sheet. AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE Box No. IV The person identified below is hereby/has been appointed to act on behalf common agent representative of the applicant(s) before the competent International Authorities as: Name and address: (Family name followed by given name; for a legal entity, full official designation. Telephone No. The address must include postal code and name of country.) 310-641-8797 GATES, George H. Facsimile No. Gates & Cooper LLP 310-641-8798 6701 Center Drive West, Suite 1050 Teleprinter No. Los Angeles, California 90045 **United States of America** Agent's registration No. with the Office 33,500

Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the

space above is used instead to indicate a special address to which correspondence should be sent.

Sheet	No		2	
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Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)					
If none of the following sub-boxes is used, this sheet should not be included in the request.					
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence GAO, Yan 705 Bolton Walk, #102 Goleta, California 93117 United States of America State (that is, country) of nationality:	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
CN CN	US				
This person is applicant all designated all designated for the purposes of: States all designated the United States	States except tes of America	the United States the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence. HU, Evelyn L. 1160 North Fairview Avenue Goleta, California 93117 United States of America	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality: US	State (that is, country, US	of residence:			
This person is applicant all designated states all designated the United States	States except tes of America	the United States of America only the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence in NAKAMURA, Shuji P.O. Box 61656 Santa Barbara, California 93160 United States of America	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality: JP	State (that is, country)	of residence:			
This person is applicant all designated all designated for the purposes of:	States except tes of America	the United States the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence.	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality:	State (that is, country)	of residence:			
This person is applicant all designated all designated for the purposes of:	States except ates of America	the United States the States indicated in the Supplemental Box			
Further applicants and/or (further) inventors are indicated or	n another continuation	sheet.			

Box	No	V DESIGNATION OF STATES	λ	Mark the applicable check-boxes below	at lea	ast one must be marked.
The	foll	owing designations are hereby made	under R	ule 4.9(a):		
Re	gion	al Patent				
	AP	ARIPO Patent: GH Ghana, GR SL Sierra Leone, SZ Swaziland, TZ State which is a Contracting State	United the H	Republic of Tanzania, UG Uganda, 2	ZM Za er kin	wi, MZ Mozambique, SD Sudan, ambia, ZW Zimbabwe, and any other dof protection or treatment desired.
X	EA	Eurasian Patent: AM Armenia, A RU Russian Federation, TJ Tajikis Patent Convention and of the PCT	Z Azert tan, TM	oaijan, BY Belarus, KG Kyrgyzstan, I I Turkmenistan, and any other State v	ζΖ Κ ε /hich i	zakhstan, MD Republic of Moldova, is a Contracting State of the Eurasian
	EP	Republic, DE Germany, DK Denm HU Hungary, IE Ireland, IT Italy, L	ark, EF U Luxe	Estonia, ES Spain, FI Finland, FR mbourg, MC Monaco, NL Netherlan	France ds, PT	Liechtenstein, CY Cyprus, CZ Czech e, GB United Kingdom, GR Greece, Portugal, RO Romania, SE Sweden, e of the European Patent Convention
		GA Gabon, GN Guinea, GQ Equa TD Chad, TG Togo, and any other of protection or treatment desired,	torial G State wl specify	uinea, GW Guinea-Bissau, ML Malnich is a member State of OAPI and a on dotted line)	, MR Contr	o, CI Côte d'Ivoire, CM Cameroon, Mauritania, NE Niger, SN Senegal, acting State of the PCT (if other kind
		al Patent (if other kind of protection				
				Croatia		
				Hungary		G Papua New Guinea
		Albania				H Philippines
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		Australia		* • • · · · · · ·	•	U Russian Federation
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•		Barbados Bulgaria				D Sudan
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	DI D7	Deliza	K K Z	Kazakhetan	M SI	K Slovakia
-		Canada				L Sierra Leone
•		& LI Switzerland and Liechtenstein		— -		Y Syrian Arab Republic
•		China			_	J Tajikistan
						M Turkmenistan
		Costa Rica				N Tunisia
		Cuba			<u> </u>	R Turkey
-		Czech Republic		9		T Trinidad and Tobago
				Republic of Moldova		
		Dominica				A Ukraine
			M MC			G Uganda
X	EC	Ecuador	M MF	The former Yugoslav Republic of	W U	S United States of America
		Spain				Z Uzbekistan
M	FI	Finland	M MV	VMalawi	X V	C Saint Vincent and the Grenadines
						N Viet Nam
	GD		_			U Serbia and Montenegro
-		Georgia	NI	Nicaragua	Z Z	A South Africa
	•	Ghana		.		M Zambia
				New Zealand	Z Z	W Zimbabwe
Che	ck-t	ooxes below reserved for designating		which have become party to the PCT a		
K	.F.G	- Egypt	BV. LAN	v. Botswana	<u>u.</u>	
						cant also makes under Rule 4.9(b) all

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Sheet	Nio	4
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Box No. VI PRIORITY	/ CLAIM					
The priority of the followin	ng earlier application(s) is here	by claimed:				
Filing date						
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office		
item (1)	·					
item (2)						
item (3)						
item (4)						
item (5)						
Further priority claims	s are indicated in the Suppleme	ental Box.				
if the earlier application was	uested to prepare and transmit s filed with the Office which for					
above as: all items item	i(1) item (2)	item (3)item	(4)	other, see Supplemental Box		
* Where the earlier applicate Industrial Property or one 1	tion is an ARIPO application, in Member of the World Trade Or	ndicate at least one country rganization for which that i	y party to the Paris Conve earlier application was fi	ention for the Protection of led (Rule 4.10(b)(ii)):		
• • • • • • • • • • • • • • • • • • • •						
Box No. VII INTERNA	TIONAL SEARCHING AU	THORITY				
Choice of International Se international search, indical	earching Authority (ISA) (if the the Authority chosen; the two	two or more International S p-letter code may be used):	Searching Authorities are	competent to carry out the		
ISA / US						
Request to use results of e International Searching Auto	earlier search; reference to t	that search (if an earlier se	earch has been carried oi	at by or requested from the		
Date (day/month/year)	Numb	ber Coun	ntry (or regional Office)			
Box No. VIII DECLARA	TIONS					
_	s are contained in Boxes Nos. cate in the right column the nun	• • • • • • • • • • • • • • • • • • • •		Number of declarations		
Box No. VIII (i)	Declaration as to the identit	ty of the inventor		•		
Box No. VIII (ii)	Declaration as to the applicate, to apply for and be greater	icant's entitlement, as at the granted a patent	e international filing	:		
Box No. VIII (iii)	Declaration as to the appli date, to claim the priority	licant's entitlement, as at the of the earlier application		•		
Box No. VIII (iv) Declaration of inventorship (only for the purposes of the designation of the United States of America)						
Box No. VIII (v)	Declaration as to non-prej	udicial disclosures or exce	ptions to lack of novelty	1 · · · · · · · · · · · · · · · · · · ·		

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America)

The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v)

(in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

Declaration of inventorship (Rule for the purposes of the designation of	, ,
I hereby declare that I believe I am the original, first and sole (if only is listed below) inventor of the subject matter which is claimed and	
This declaration is directed to the international application of which	it forms a part (if filing declaration with application).
This declaration is directed to international application No. PCT/ to Rule 26ter).	(if furnishing declaration pursuant
I hereby declare that my residence, mailing address, and citizenship	are as stated next to my name.
I hereby state that I have reviewed and understand the contents of the of said application. I have identified in the request of said application, and I have identified below, under the heading "Prior Applications," Organization, day, month and year of filing, any application for a pater States of America, including any PCT international application designs having a filing date before that of the application on which foreign p	in compliance with PCT Rule 4.10, any claim to foreign priority, by application number, country or Member of the World Trade at or inventor's certificate filed in a country other than the United ating at least one country other than the United States of America,
Prior Applications:	
I hereby acknowledge the duty to disclose information that is 1 37 C.F.R. § 1.56, including for continuation-in-part applications, mate of the prior application and the PCT international filing date of the continuation.	erial information which became available between the filing date
I hereby declare that all statements made herein of my own knowledge are believed to be true; and further that these statements were made made are punishable by fine or imprisonment, or both, under Section false statements may jeopardize the validity of the application or any	with the knowledge that willful false statements and the like so 1001 of Title 18 of the United States Code and that such willful
Name: Tetsuo Fujii	
Residence: Goleta, California (city and either US state, if applicable, or country)	
Mailing Address: 7240 Davenport Road, #104	· · · · · · · · · · · · · · · · · · ·
O-1-4- O-1'6'- 00447	
Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	Date: Nov. 25 2003 (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)
Name: Gao	•
Residence: Goleta, California (city and either US state, if applicable, or country)	
Mailing Address: 705 Bolton Walk, #102	
Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)
This declaration is continued on the following sheet, "Continuati	on of Box No. VIII (iv)"
EN The residence is sometimes on the following shock. Commutant	

Sheet No. 6

the information in the san	in any of Boxes Nos. VIII (1) to (v) to furnish all the information of Box No. VIII (iv), in such case, write "Continuation of Box Now manner as required for the purposes of the Box in who declarations, a separate continuation has must be used the request	nation, including in the case where more than two inventors, VIII" (Indicate the Item number of the Box) and furnish ich the space was insufficient. If additional space is needed for each such declaration. If this Box is not used, this sheet
		•
Name: Residence: Mailing Address:	Evelyn L. Hu Goleta, California 1160 North Fairview Avenue Goleta, California 93117	
Citizenship: US		
Inventor's Signati	ure: Svelyv fau.	Date: Dec. 7,2003
Name: Residence: Mailing Address:	Shuji Nakamura Santa Barbara, California P.O. Box 61656 Santa Barbara, California 93160	
Citizenship: JAP	AN	
Inventor's Signati	ure:	Date:

	Sheet No				
If the space is insufficient are to be named in Box No. the information in the same	o. VIII (i) to (v) DECLARATION in any of Boxes Nos. VIII (i) to (v) to furnish all the information. b. VIII (iv), in such case, write "Continuation of Box No." e manner as required for the purposes of the Box in which declarations, a separate continuation box must be used for the request.	h the space was insufficient. If additional space is need			
Continuation of B	ox N. VIII (iv):				
Name: Residence: Mailing Address:	Evelyn L. Hu Goleta, California 1160 North Fairview Avenue Goleta, California 93117				
Citizenship: US					
Inventor's Signatu	ure:	Date:			
Name: Residence: Mailing Address:	Shuji Nakamura Santa Barbara, California P.O. Box 61656 Santa Barbara, California 93160				
Citizenship: JAP	AN				
Inventor's Signati	ure: Calle	Date: Novaber 25, 03			
	· -				

Sheet No. ...8...

Box No. IX CHECK LIST; LANGUAGE	OF FILING			
This international application contains: (a) in paper form, the following number of	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	Number of items		
sheets: request (including	1. The fee calculation sheet	: 1		
request (including declaration sheets) : 8	2. original separate power of attorney	: 1		
description (excluding	3. original general power of attorney	:		
sequence listings and/or tables related thereto) : 15	4. Copy of general power of attorney; reference number,			
claims : 3	if any:	: 1		
abstract : 1	5. statement explaining lack of signature	:		
drawings : 10	6. priority document(s) identified in Box No. VI as item(s):	:		
Sub-total number of sheets: 37 sequence listings:	7. Translation of international application into (language):	:		
tables related thereto : (for both, actual number of	8. separate indications concerning deposited microorganism or other biological material	:		
sheets if filed in paper form, whether or not also filed in	9. sequence listings in computer readable form (indicate type and number of carriers)	-		
computer readable form; see (c) below) ————	(i) copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application	- \ .		
Total number of sheets : 37	(ii) (only where check-box (b)(i) or (c)(i) is marked in left column)			
(b) only in computer readable form (Section 801(a)(i))	additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter	:		
(i) ☐ sequence listings (ii) ☐ tables related thereto	(iii) together with relevant statement as to the identity of the copy of copies with the sequence listings mentioned in left column	or :		
(c) also in computer readable form (Section 801(a)(ii))	10. tables in computer readable form related to sequence listings (indicate type and number of carriers)			
(i) sequence listings	(i) copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international search)	al		
(ii) tables related thereto	application)	:		
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the	(ii) (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)	e :		
sequence listings:	sequence listings:			
tables related thereto:		: 2		
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11. Sother (specify): Iranşmittal sheet; Return postcard	:		
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: English			
Box No. X SIGNATURE OF APPLICAN	T, AGENT OR COMMON REPRESENTATIVE			
Next to each signature, indicate the name of the person sig	gning and the capacity in which the person signs (if such capacity is not obvious from reading	; the request).		
M, 1 m,				
1/1/12				
By:	Date: 9 December 2003			
George tar. Gates	•			
	For receiving Office use only			
1. Date of actual receipt of the purported		wings:		
international application:		ceived:		
3. Corrected date of actual receipt due to later timely received papers or drawings complete the purposed interpolations.	but	elveu.		
the purported international application:		_		
4. Date of timely receipt of the required corrections under PCT Article 11(2):	not	t received:		
5. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid			
	For International Bureau use only			
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Date of receipt of the record copy by the International Bureau:	•			
by the international parameter				